

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

December

2009

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

January 14, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

December was a cold month. Low temperatures during the first week of the month were in the upper teens to mid 20's across most of the San Angelo hydrologic service area (HSA). Another temperature dip into the teens occurred around Christmas time. The average temperatures at the Abilene and San Angelo Regional Airports were 40.7 degrees and 44.3 degrees, respectively. Along with the cold weather, there were several precipitation events that produced mixtures of rain, sleet, freezing drizzle and snow.

The average precipitation reported from coop observers in December was 1.69 inches. The highest monthly precipitation total of 3.06 inches was reported in Taylor County.

The San Angelo Regional Airport received 1.68 inches of precipitation during December, which was 0.74 of an inch above normal for the month. The monthly normal rainfall for San Angelo in December is 0.94 of an inch. San Angelo received about 1.7 inches of snow during the month. Total precipitation for the year was 25.54 inches. The normal annual precipitation for San Angelo is 20.91 inches.

The Abilene Regional Airport received 1.87 inches of precipitation during December, which was 0.60 of an inch above normal for the month. The monthly normal rainfall for Abilene in December is 1.27 inches. Abilene received about 6.5 inches of snow during the month. Total precipitation for the year was 21.56 inches. The average annual precipitation for Abilene is 23.78 inches.

Junction received 1.21 inches of precipitation during December. The estimated average monthly rainfall in December is about one inch. Junction received 27.23 inches of precipitation during the year.

Coop Observer Rainfall Totals for December, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Acton Ranch	0.83		Ozona 22SE	1.97
Anson	1.93		Paint Rock	1.79
Ballinger 2NW	1.66		Putnam	2.62
Blackwell 6NE	1.11		Red Bluff Crossing	1.20
Brady	1.46		Robert Lee	2.00
Brownwood	1.22		Roscoe	2.10
Burkett	1.80		Rotan	1.85
Coleman	1.47		San Angelo WFO	1.75
Concho Park	1.39		San Saba 7NW	0.94
Eden	1.49		Santa Anna 12SSE	1.24
Eldorado	1.61		Silver Valley	1.55
Eldorado 10W	1.73		Sonora	1.00
Fort Griffin	1.54		Stamford	1.81
Fort McKavett	2.71		Sterling City	2.93
Glen Cove 2NE	1.85		Taylor Ranch	1.15
Haskell	1.95		Throckmorton 7NE	1.84
Humble Pump	1.28		Water Valley	1.76
Junction 4SSW	1.45		Water Valley 11NE	2.18
London 3N	1.63		Winters 1NE	1.70
Mason	1.68		Woodson	1.59
Menard	1.37			
Merkel 12SW	3.06		(M) <i>Missing data</i>	
Mertzon 12NNW	1.44		(T) <i>Trace</i>	

Reservoir Conditions (end of December, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	46,360	66
Lake Stamford	52,700	35,220	68
Hubbard Creek Lake	317,800	216,450	68
Hords Creek Lake	8,800	3,820	47
Lake Brownwood	131,428	88,890	68
E.V. Spence	488,760	24,840	5
O.C. Fisher	119,200	4,110	3
O.H. Ivie	554,340	233,600	42
Twin Buttes	177,800	42,410	24

Hydro Products Issued

ESF = 2

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for December across the San Angelo HSA is depicted below.

